

# What You Want to Know About Your Auto and How To Drive It and Keep It

Expert Advice How to Keep Automobiles Running Smoothly  
and the Best Way to Remedy Machine Troubles—  
Traffic Suggestions and Pleasure Routes  
for Evening World Readers.

By GEORGE H. ROBERTSON.



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**D**URING the next few weeks I will deal with the upkeep of the motor. Every year many engines find their way to the scrap heap because of the operator's failure to take the proper care of them. Every owner of a car should thoroughly understand the points I will take up, from week to week. This week, the cause of motor knock.

Motor knock is due to many causes which the average operator does not consider. First, the ignition may be set too far ahead, thus causing what is commonly known as an ignition knock. If the compression of the motor is too high the motor will have what is known as a compression knock. If the spark plugs are defective the uneven running of the motor will cause a knock. Carbon is a common offender, causing either an increased compression or pre-ignition due to the incandescent properties of the carbon.

If there is a ridge in the cylinder the piston head is too thin, a metallic knock will occur. Where the piston has too much clearance in the cylinder, a piston stop will be the result. Loosely fitted bearings, either wrist pin, connecting rod or main bearings, will cause a heavy pound.

making a metallic knock. A poor fuel mixture will tend to create a pound. If the fly wheel is not set securely on the crankshaft it will work loose on the bolts and cause a disagreeable knock.

And finally, if the motor should become overheated from lack of oil or water or from running on a slow gear for too long a period it will bring forth a knock, a warning of greater trouble.

the best speed car. This fact is on record.

**ANSWERS TO LETTERS.**

**Automobile Editor:**  
Have a four-cylinder seven-passenger 1917 Packard. Giving it gas to speed the motor causes a loud knock. When the motor is running idle with the spark retarded there is no sound of a knock. Would you advise me to have the car overhauled? Also, when I am driving a long distance the grease drips from my rear axle on the shoe right side only. Will you also let me know the best route and distance from New York to Lakewood, N. J.

**MATHEW H. WHITE:**  
I believe that the motor should be taken down and thoroughly cleaned, the valves ground and reset and the ignition set properly. The Packard Company or any good repair shop will do this work for you. You probably need new felt washers in the right side of the transmission.

To reach Lakewood cross Weehawken ferry at Forty-second street to Hudson County Boulevard, then to Newark, Rahway, Perth Amboy, South Amboy, Keyport, Mattawan, Freshfield, Adair to Lakewood. The distance is five miles.

**Automobile Editor:**  
I have a 4 Ford and have trouble with a short circuit in the coil. I cannot touch any part of the coil without receiving a shock. If I touch metal with my other hand, the engine runs all right at high speed, but when starting and running slow it will miss and back fire through carburetor. I have put on new timers and looked over the wiring with no results. The car has run 8,000 miles. J. READ.

Would you advise me to take the coil to an expert coil man and have him look over it. There is undoubtedly a short circuit within the coil, and this, of course, requires immediate attention.

**Automobile Editor:**  
When I crank my car (Ford) it starts to move forward. Can you advise me of the trouble?

**ARTHUR TULLOCK:**  
You will probably find that the emergency brake throw-off needs adjusting. The reason that the car never forward is because the bands of the transmission are dragging and are not thrown off enough by the emergency brake. Adjust this so that both the low and high speed bands are fr when the emergency brake is in a car in position.

**Automobile Editor:**  
Can you flywinder automobiles make more speed than six-cylinder and B.

As a rule, the four-cylinder car is

## TAX-DOGGERS FOR POLITICIANS FOR RAID ON N. Y. CITY

Interests that Drain Knicker-  
bucker Treasury Fight to  
Hold Their Grip.

REALTY CALLS FOR AID

Metropolitan Masses Must Seek  
Home Rule To Protect  
Their Welfare.

Tax-doggers on billboards are organizing powerful opposition to new legislative measures that would make them pay their fair share of public expenditures.

Realty leaders learned yesterday that Wall Street and other big financial interests are rushing reinforcements to their lobbies in Albany. They are alarmed at the prompt effect of recent revelations in The Evening World showing how public welfare is being menaced by the evasion of taxes on at least \$2,000,000,000 of bonds and other securities. There is a heavy burden upon real estate in the Greater City. They were taken by surprise last Wednesday when a bill was hurried through the Legislature to suspend operation of the Secured Debt Law until May 1, before which time a permanent measure for heading off the tax-doggers will be framed.

Under the Secured Debt Law, passed in 1911, over \$2,000,000,000 of bonds and other securities have been recorded at a fee of one-half of 1 per cent, or a total of \$4,000,000, thus becoming exempt forever from further taxation. There was a lively scramble to record more millions of such holdings before the Governor could sign the temporary measure. The new law will aim to bring out the greater part of the hidden \$2,000,000,000 of securities for imposition of a small annual tax.

BY TAX-DOGGERS' LOB-

Representatives of realty interests will send lawyers to Albany next week to watch the workings of the tax-doggers' lobby. They intend to protect their interests as far as possible, but they admit that they are not hopeful of making much headway against the political cohorts lined up against them. They have learned that although the Greater City has the majority of the State's population and wealth, the up-State leaders are able always to marshal the majority of the State's legislators to support their cause.

Special meeting of New Haven stockholders April 14 to cancel 1917-18 shares of stock held in treasury and to accept charter amendments in line with recently enacted legislation.

New Haven road's February gross earnings increased 13.1 per cent over last year's. The road's net income declined 2.5 per cent, but its operating income increased 1.1 per cent.

U. S. Rubber Company—Quarterly earnings of 14 per cent on common stock, 2 per cent on first preferred and 14 per cent on second preferred stocks are payable April 30 to stocks of record April 15.

CHICAGO WHEAT AND CORN MARKET.

the money has been spent within Greater New York, which pays for its own roads out of its own budget.

Saloons in the Greater City pay a annual license tax aggregating nearly \$12,000,000, half of which is taken by the State.

Annual fees collected under the Inheritance Tax Law and Mortgage Tax Law amounting \$4,000,000.